

WHAT IS CLAIMED IS:

1. An optical device package comprising:
a substrate having mounted on its one side optical devices and having
formed in said one side positioning parts for defining the positions of optical
axes of said optical devices;
a case with said substrate housed therein;
an optical connector ferrule mounted in said case;
flexible optical waveguides held at one end in optical fiber receiving
holes made in said optical connector ferrule and having the other ends extended
into said case and positioned in said positioning parts to provide optical
coupling between said flexible optical waveguides and said optical devices; and
a ferrule coupler provided on the end face of said optical connector
ferrule externally of said case, for optically coupling optical fibers held in
another optical connector ferrule to said flexible optical waveguides.
2. The optical device package of claim 1, wherein said substrate is a
semiconductor substrate and said positioning parts are V grooves cut in said
semiconductor substrate in parallel to the optical axes of said optical devices.
3. The optical device package of claim 1, wherein said flexible optical
waveguides are each formed by a graded index optical fiber that focuses light
emitted therefrom.
4. The optical device package of claim 1, wherein said flexible optical
waveguides are each formed by a TEC optical fiber that focuses light emitted
therefrom.
5. The optical device package of claim 1, wherein said ferrule coupler
comprises pins projecting from one of said optical connector ferrules and pin
receiving holes made in the other optical connector ferrule.
6. The optical device package of claim 1, wherein misalignments

5/13

10033939-121801

See
P1
cancel

between the optical axes of said optical devices and the axes of said optical fiber receiving holes of said optical connector ferrule and their misorientations are accommodated by deforming said flexible optical waveguides.

add
P17

10032939-121804